

Fensom's improved copying press.

116824

PATENTED JUL 11 1871

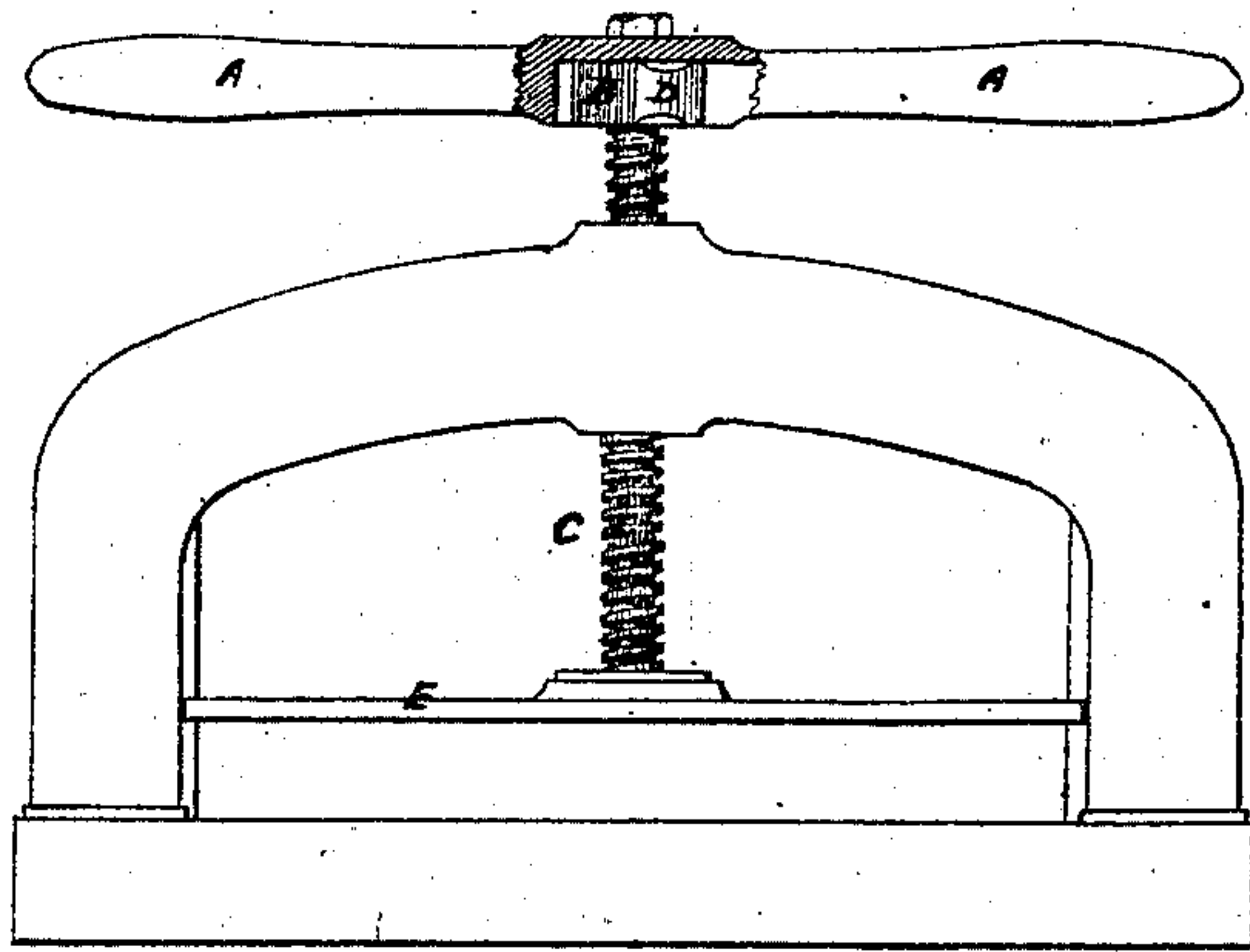


Fig. 1

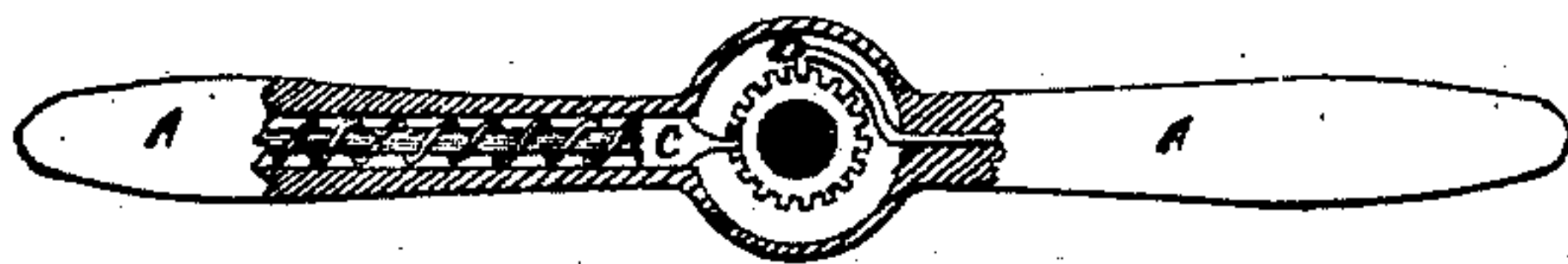


Fig. 2

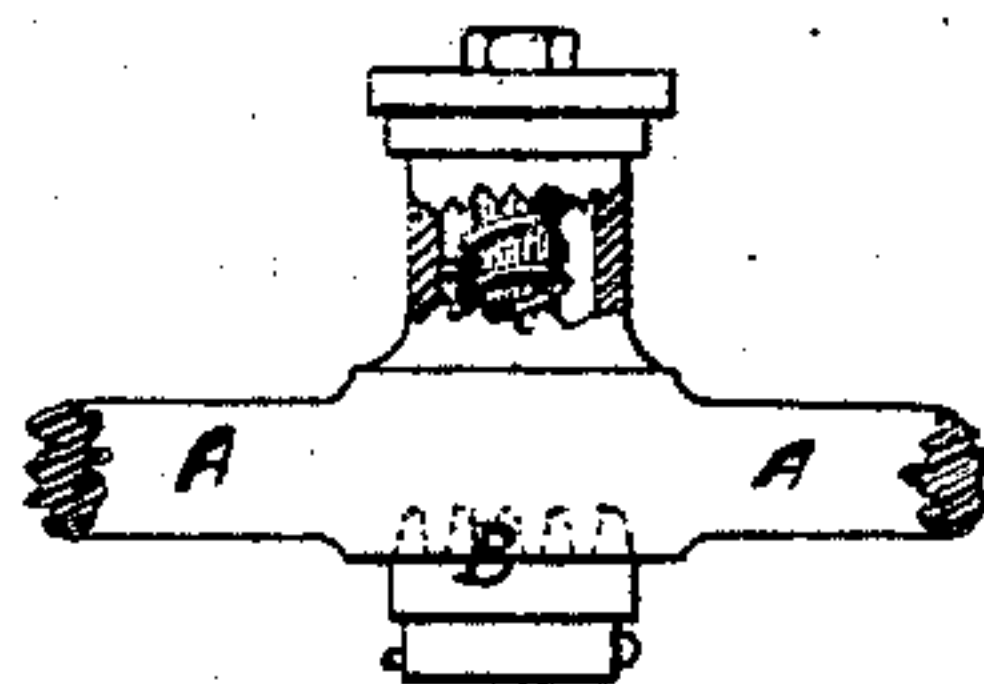


Fig. 3

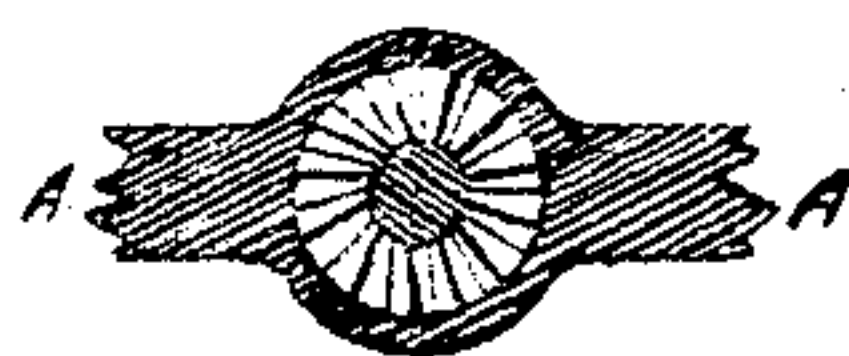


Fig. 4

Inventor

John Fensom

James. Hilt

~~James Hilt~~ Witnesses

Joseph Benjamin Hilt

UNITED STATES PATENT OFFICE.

JOHN FENSOM, OF TORONTO, CANADA.

IMPROVEMENT IN COPYING-PRESSES.

Specification forming part of Letters Patent No. 116,824, dated July 11, 1871.

To all whom it may concern:

Be it known that I, JOHN FENSOM, of the city of Toronto, in the county of York, Province of Ontario and Dominion of Canada, have invented certain Improvements in Copying-Presses for Copying Letters, of which the following is a specification:

The invention relates to the application of a ratchet-wheel firmly secured to the screw or handle of the press, and a spring, made fast in the handle or screw, acting on the ratchet-wheel, and when more force than is necessary is applied to the handle of the press it slips past the teeth of the ratchet-wheel, allowing the handle of the press to move without increasing the pressure on the platen of the press and prevents the platen being broken by over pressure; or by using a spiral spring and bolt in the handle of the press the same effect will be produced.

Figure 1 represents a side view of a copying-press embodying my invention. Fig. 2 represents the handle removed from the press. Figs. 3 and 4 show another application of ratchet-wheel and spring, which is fully explained in the general description.

Fig. 1, A A represent the handle of the

press. B represents the ratchet-wheel firmly secured to the screw C of the press. D, a flat spring made fast in the handle A A. This spring slips past the teeth of the ratchet-wheel, allowing the handle of the press to move without increasing the pressure on the platen E; or by using a spiral spring and bolt in the handle, as at *d d* in Fig. 2, the same effect is produced. Fig. 2 represents the handle removed from the press, showing more fully the arrangements and parts. The same figures and letters apply as in Fig. 1. Figs. 3 and 4, A A, the handle, with teeth cut on the face, acting in the teeth of the collar B, which is made fast to the screw C of the press. The handle A A is held in its place by the short spiral, marked *d* in Fig. 3, which allows the teeth to slip past when too much force is applied.

I claim as my invention—

The application of a ratchet-wheel and spring in any form to the screw and handle in copying-presses, as herein set forth.

JOHN FENSOM.

Witnesses:

JAMES TILT,
GEORGE DAVIDSON.